10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Somatostatin 28
Synthetic Peptide
Catalog # SP3088a

Specification

Somatostatin 28 - Product Information

Primary Accession	P60042
Other Accession	P01168, O46688, P61278, P60041, P49670
Sequence	NH2-SANSNPAMAPRERKAGCKNFFWKTFTSC -COOH

Somatostatin 28 - Additional Information

Gene ID 24797

Other Names
Somatostatin, Antrin, Somatostatin-28, Somatostatin-14, Sst, Smst

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Somatostatin 28 - Protein Information

Name Sst

Synonyms Smst

Function
[Somatostatin-14]: Inhibits the secretion of pituitary hormones, including that of growth hormone/somatotropin (GH1), PRL, ACTH, luteinizing hormone (LH) and TSH. Also impairs ghrelin- and GnRH- stimulated secretion of GH1 and LH; the inhibition of ghrelin- stimulated secretion of GH1 can be further increased by neuronostatin.

Cellular Location
Secreted.

Tissue Location
Somatostatin is detected in neurons throughout the brain, including in the lateral septum, nucleus accumbens, amygdaloid complex, hypothalamic periventricular nucleus, hippocampus, cortex, cerebellum and several brainstem nuclei (at protein level) (PubMed:20056135). Neuronostatin is widely expressed with highest levels in pleen and pancreas, followed by cerebrum and

hypothalamus (at protein level) (PubMed:18753129, PubMed:26561648). Neuronostatin plasma levels are higher in fasted, as compared to fed animals (PubMed:26561648). In the brain, neuronostatin is mainly present in the hypothalamic periventricular nucleus and median eminence (at protein level) (PubMed:20056135).

Somatostatin 28 - Images